IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Application N Date Filed: Title:	Narayanan Krishnamurthy Group Art Unit: Examiner: Concurrently Herewith DERIVATION OF CIRCUIT BLOCK CONSTRAINTS
	INFORMATION DISCLOSURE STATEMENT (IDS)
Commissioner Alexandria, V	
States Patent a for submitting patent applica	cordance with 37 C.F.R. §1.56 and in compliance with 37 C.F.R. §\$1.97 and 1.98, the references hed Form PTO/SB/08 and/or subsequently identified herein, are for consideration by the United nd Trademark Office. Pursuant to the Office waiving the requirement under 37 CFR 1.98 (a)(2)(i) a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national tions filed after June 30, 2003 and for all international applications that have entered the national USC §371 after June 30, 2003, copies of the reference are not submitted herewith.
I. <u>COP</u> a.⊠ b.□	A legible copy of (i) each U.S. and foreign patents; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed, is included herewith. Any patents, publications or other information which are listed on PTO/SB/08 which are not enclosed herewith were previously cited by or submitted to the PTO in one of the following applications which has been relied upon for an earlier filing date under 35 U.S.C. §120:
	U.S. Serial Number U.S. Filing Date
II. <u>CON</u> a. ⊠ b. □ c. □	CISE EXPLANATION OF THE RELEVANCE (check at least one box) Except as may be indicated below in (b) of this section, all of the patents, publications or other information are in the English language (concise explanation not required). A concise explanation of the relevance of all patents, publications or other information listed that is not in the English language is as follows: The following additional information is provided for the Examiner's consideration:
The I be re	SS REFERENCE TO RELATED APPLICATION(S) Examiner is advised that the following co-pending application(s) contain(s) subject matter that may lated to the present application. By bringing this (these) applications to the Examiner's attention, cant(s) does(do) not waive the confidentiality provisions of 35 U.S.C. §122.
<u>Seria</u>	No. Filing Date Art Unit
	<u>FEES</u>
IV. ⊠ THIS a. ⊠ b. □ c. □ d. □	within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d) (37 C.F.R. §1.97(b)(1)). No fee or statement is required. within three months of the date of entry of the national stage as set forth in § 1.491 in an international application (37 C.F.R. §1.97(b)(2)). No fee or statement is required. before the mailing date of a first Office Action on the merits (37 C.F.R. §1.97(b)(3)). No fee or statement is required. before the mailing date of a first Office Action after the filing of a request for continued examination under § 1.114 (37 C.F.R. § 1.97(b)(4)). No fee or statement is required.

V. 🔲	before	the mailir 7 C.F.R. (1)). No state	§1.311, or an action that other	e Action under 37 C.F.R. §1.113, a Notice of Allowance wise closes prosecution in the application (See 37 C.F.R. it account 502117 the fee set forth in 37 C.F.R. §1.17(p).
VI. 🗌		efore pay a statem	TING FILED UNDER 37 C.F.I ment of the issue fee and is account under 37 C.F.R. §1.97(e) deposit account 502117 the period of the	companied by the following:
VII.		dersigned each ite Patent (of IDS; no item Patent (stateme known filing of some of foreign informa a counte to the r informa a counte making	hereby states that am of information contained in office in a counterpart foreign or a first of information contained in office in a counterpart foreign at after making reasonable in to any individual designated in the items of information con office. As to this tion contained in the IDS was expart foreign application not remaining information, the unition contained in the IDS was expart foreign application or, to reasonable inquiry, no item and designated in 37 C.F.R. 1.	the IDS was cited in a communication from a foreign application not more than three months prior to the filing the IDS was cited in a communication from a foreign application, and to knowledge of the person signing the quiry, no item of information contained in the IDS was in 37 C.F.R. 1.56(c) more than three months prior to the tained in the IDS were cited in a communication from a information, the undersigned states that each item of cited in a communication from a foreign Patent Office in more than three months prior to the filing of this IDS. As dersigned hereby states that no item of this remaining cited in a communication from a foreign Patent Office in the three months prior to the filing of this interest of information contained in the IDS was known to any 56(c) more than three months prior to the filing of this
VIII.	PAYM	Please of fee(s). If Appli Commis	that in the amount of is that ge Deposit Account 50211 cant has overlooked any additionaries and its science is hereby authorized to	enclosed for the above-identified fee(s). 7 in the amount of \$180.00 for the above-indicated onal fees, or if any overpayment has been made, the credit or debit Deposit Account 502117. for Deposit Account charges and debits.
	e statuto	ory prior		e interests of candor and without any admission that they aticipates the invention or which would render the same ordinary skill in the art.
If it is dunder th	etermine e prope	ed that the r rule (w	is IDS has been filed under th	this IDS, he/she is requested to contact the undersigned. e wrong rule, the PTO is requested to consider this IDS and charge the appropriate fee to Deposit Account No.
MOTOF Custome	ROLA, II er Numb			Respectfully submitted, Narayanan Krishnamurthy David G. Dolezal Attorney for Applicant(s) Reg. No. 41,711 Tel. 512.996.6839
Enclosu	res:		PTO/SB/08 References Foreign Search Report Other:	

		Complete if Known		
		Application Number		
INFORI	MATION DISCLOSURE	Filing Date	Concurrently Herewith	
STATEMENT BY APPLICANT		First Named Inventor	Narayanan Krishnamurthy	
0.7	MENT DI ALI EIGANI	Group Art Unit		
(use as many sheets as necessary)		Examiner Name		
Sheet	of	Attorney Docket Number	SC12951TS	

U. S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. 1	Document Number Number -Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
			<u> </u>			
			· · · · · · · · · · · · · · · · · · ·			
·						

	FOREIGN PATENT DOCUMENTS					
Examine	Cite No. 1	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or	T 6
r Initials*		Country Code ³ Number ⁴ Kind Code ² (if	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or	
Hilliais		known)		•	Relevant Figures Appear	
			, , , , , , , , , , , , , , , , , , , ,			
						\vdash
				·		\vdash

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AA	Burch et al., "Sequential Circuit Verification Using Symbolic Model Checking," 27th ACM/IEEE Design Automation Conference, 1990, Paper 3.2, pp. 46-51.	
	AB	Cabodi et al., "Symbolic FMS Traversals Based on the Transition Relation," IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, vol. 16, No. 5, May 1997, pp. 448-457.	
	AC	Touati et al., "Implicit State Enumeration of Finite State Machines using BDD's," IEEE ICCAD, November 1990, pp. 130-133.	

Examiner	Date	
Signature	Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation, if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.